## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44).

Applicant's or agent's file reference 152968-4 DK	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.			
International application No. PCT/IL04/00501	International filing date (day 10 June 2004 (10.06.2004)		(Earliest) Priority Date (day/month/year) 11 June 2003 (11.06.2003)		
Applicant YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of sheets.  It is also accompanied by a copy of each prior art document cited in this report.  1. Basis of the Report  a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No.  I. Certain claims were found unsearchable (See Box No. II)  1. Unity of invention is lacking (See Box No. III)  4. With regard to the title, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows:					
5. With regard to the abstract, the text is approved as substant the text has been establishe applicant may, within to this Authority.	d. according to Rule 38.2(b),	by this Authori ailing of this in	ty as it appears in Box No. IV. The ternational search report, submit comments		
as selected by this	e applicant.  Authority, because the applic  Authority, because this figure  published with the abstract.	ant failed to su			

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00501

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C04B 35/462; H04R 17/00; B05D 3/02  US CL : 361/225; 252/62.9R, 62.9PZ; 29/25.35; 313/14; 427/100, 380, 383.1  According to International Patent Classification (IPC) or to both national classification and IPC						
		hy classification symbols)				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 361/225; 252/62.9R, 62.9PZ; 29/25.35; 313/14; 427/100, 380, 383.1						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
X	US 5,127,982 A (KOTAKE) 07 July 1992, see Abs	1-40				
A	US 5,504,330 A (SUMMERFELT et al) 02 April 19	1-40				
A	US 4,869,840 A (OSBOND et al) 26 September 198	1-40				
A	US 4,500,397 A (MORI) 19 February 1985, see Ab	1-40				
A	Lubomirsky et al "Observation of sel poling in BaT Physics, Vol 85(9), pp 6690-6694, May 1999 (Abst	1-40				
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Further	documents are listed in the continuation of Box C.	See patent family annex.				
• S	pecial categories of cited documents:	later document published after the international filing date or priority date and not in conflict with the application but cited to				
"A" document defining the general state of the art which is not considered to be of particular relevance		understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be				
"E" carlier ap date	plication or patent published on or after the international filing	considered novel or cannot be considered when the document is taken along	ered to involve an inventive			
to establi (as speci		"Y" document of particular relevance; the considered to involve an inventive at combined with one or more other suc combination being obvious to a person	ep when the document is th documents, such			
"O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the		"&" document member of the same patent	family			
a design data alaimad		Date of mailing of the international sear	19 IAN 2005			
08 December 2004 (08.12,2004)		Authorized officer	/			
	ailing address of the ISA/US	Aumorized Officer				
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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT	PCT/IL04/00501
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Continuation of B. FIELDS SEARCHED Item 3:	
WEST (USPAT, EPAB, JPAB, DWPI): search terms include piezoclectric, pyro	lelectric, emorphous, quasi-amorphous, temperature
gradient.	
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International application No.

Form PCT/ISA/210 (extra sheet) (January 2004)